

First Year

Semester I						Semester II					
Category	Subject	Hours			Units	Category	Subject	Hours			Units
		Theoretical	Tutorial	Practical				Theoretical	Tutorial	Practical	
University requirement	Human Rights	1	0	0	1	College requirement	Calculus-II	3	1	0	3
College requirement	Calculus-I	3	1	0	3	University requirement	Democracy	1	-	0	1
College requirement	Physics	2	-	2	3	College requirement	Engineering Drawing	1	1	3	2
University requirement	Computer Science	1	1	2	2	Department requirement	Principle of Chemical Eng. II	3	1	0	3
College requirement	General Chemistry	2	-	2	3	College requirement	Engineering Mechanics (Static)	2	1	0	2
Department requirement	Principle of Chemical Eng. I	3	1	0	3	Department requirement	Organic Chemistry	2	-	2	3
University requirement	Arabic Language	2	-	0	2	University requirement	English Language-I	2	-	0	2
Total Hours and Units		14	3	6	18	Total Hours and Units		14	4	5	16

Second Year

Semester I						Semester II					
Category	Subject	Hours			Units	Category	Subject	Hours			Units
		Theoretical	Tutorial	Practical				Theoretical	Tutorial	Practical	
College requirement	Calculus-III	3	1	0	3	College requirement	Calculus-IV	3	1	0	3
Department requirement	Fluid Mechanics-I	3	1	0	3	Department requirement	Fluid Mechanics-II	2	1	2	3
Department requirement	Workshop Engineering	0	-	3	1	Department requirement	Engineering Materials	2	-	2	3
University requirement	English Language II	2	-	0	2	Department requirement	Mass Transfer	3	1	0	3
Department requirement	Physical Chemistry	2	-	2	3	Department requirement	Analytical Chemistry	2	-	2	3
Department requirement	Technology of Chemical Industries-I	2	-	0	2	Department requirement	Technology of Chemical Industries-II	2	-	0	2
Department requirement	Thermodynamics I	3	1	0	3	Department requirement	Thermodynamics II	3	1	2	3
Total Hours and Units		15	3	5	17	Total Hours and Units		17	4	6	20

Third Year

Third Year											
Semester I						Semester II					
Category	Subject	Hours			Units	Category	Subject	Hours			Units
		Theoretical	Tutorial	Practical				Theoretical	Tutorial	Practical	
College requirement	Engineering Statistics	3	-	0	3	College requirement	Engineering Economy	3	-	0	3
Department requirement	Principles of Heat Transfer I	3	1	0	3	Department requirement	Heat Transfer with Phase Change II	2	1	2	3
Department requirement	Composite Materials	2	-	2	3	Department requirement	Technology of Natural Gas	2	1	0	2
Department requirement	Properties of Petroleum and Natural Gas	2	1	2	3	Department requirement	Water Treatment	2	-	0	2
Department requirement	Technology of Petrochemical Industries-I	3	-	0	3	Department requirement	Technology of Petrochemical Industries-II	3	-	0	3
Department requirement	Unit Operations-I	3	1	0	3	Department requirement	Unit Operations-II	3	1	2	4
Department requirement	Reactor Design-I	3	1	0	3	Department requirement	Reactor Design-II	3	1	0	3
						University requirement	English Language III	2	-	0	2
Total Hours and Units		19	4	4	21	Total Hours and Units		20	4	4	22

Fourth Year

Semester I						Semester II					
Category	Subject	Hours			Units	Category	Subject	Hours			Units
		Theoretical	Tutorial	Practical				Theoretical	Tutorial	Practical	
College requirement	Engineering Numerical Methods	2	1	3	3	University requirement	Engineering Skills and Ethics	3	-	0	3
Department requirement	Petroleum Refining Engineering-I	3	1	0	3	Department requirement	Petroleum Refining Engineering-II	3	1	0	3
Department requirement	Industrial Equipment Design	3	1	0	3	Department requirement	Industry Safety	2	-	0	2
Department requirement	Environmental Engineering	2	-	0	2	Department requirement	Corrosion Engineering	2	1	0	2
Department requirement	Processes Control	2	1	2	3	Department requirement	Technology of Catalysts	2	-	0	2
Department requirement	Transport Phenomena	3	-	0	3	Department requirement	Modeling and Simulation	2	-	2	3
Department requirement	Project Design-I	0	-	4	2	University requirement	English Language IV	2	-	0	2
						Department requirement	Project Design-II	0	-	4	2
Total Hours and Units		15	4	9	19	Total Hours and Units		16	2	6	19